Listing of Claims

1. (Currently Amended) A method for communicating voice information, comprising:

receiving a call on a wireless phone electrically coupled to a base unit, the base unit having (i) a connector coupled to a call processing circuit in the wireless phone and (ii) a communications port coupled to the connector; and

connecting the call from the wireless phone to a hard-wired telephone,

wherein the connecting step is automatically performed by connection management software programmed into the wireless phone and in response to receiving the call, and wherein the software connects the call through a communications interface between the communications port of the base unit and a communications port of the hard-wired telephone.

2. (Original) The method of claim 1, further comprising:

connecting the hard-wired telephone to only receive calls through the wireless phone.

3. (Original) The method of claim 2, further comprising:

generating an artificial dial tone when a receiver of the hard-wired telephone is activated.

4. (Currently Amended) The method of claim 1, further comprising:

connecting the hard-wired telephone to receive calls through the wireless ~~telephone~~ phone and through a public-switched telephone network.

5. (Previously Presented) The method of claim 1, wherein the connection management software sends a ring signal to the hard-wired telephone when the call is received by the wireless phone.

6. (Previously Presented) The method of claim 1, wherein the connection management software detects a hook-state signal indicating that a receiver of the hard-wired telephone has been activated and connects the call to the hard-wired telephone based on detection of the hook-state signal.

7. (Previously Presented) The method of claim 6, wherein the connection management software detects termination of the call based on a hook-state signal indicating that the receiver of the hard-wired telephone has been de-activated.

8. (Previously Presented) The method of claim 1, further comprising:

receiving telephone number digits from the hard-wired telephone; and

performing the following steps in said wireless phone:

(a) detecting the telephone number digits,

(b) confirming if the telephone number digits correspond to a valid telephone number, and

(c) automatically connecting the call through a wireless service provider if the telephone number is valid, wherein steps (a)-(c) are performed by the connection management software.

9. (Previously Presented) The method of claim 8, wherein step (b) includes determining whether a number of digits in the telephone number equals a predetermined number of digits corresponding to a valid telephone number.

10. (Previously Presented) The method of claim 1, wherein the connection management software automatically de-activates a microphone and speaker of the wireless phone when the call is connected.

11. (Currently Amended) A ~~The~~ method ~~of claim 1~~ for communicating voice information, comprising:

receiving a call on a wireless phone; and

connecting the call from the wireless phone to a hard-wired telephone,

wherein the connecting step is automatically performed by connection management software programmed into the wireless phone and in response to receiving the call, and wherein said connecting step is performed based on authorization information stored on a smart card.

12-39. (Canceled)

40. (Currently Amended) A method for communicating voice information, comprising:

receiving a call on a wireless device electrically coupled to a base unit, the base unit having (i) a connector coupled to a call processing circuit in the wireless phone and (ii) a communications port coupled to the connector; and

connecting the call from the wireless device to a hard-wired telephone,

wherein the connecting step is automatically performed by connection management software programmed into the wireless device and in response to receiving the call, and wherein the software connects the call through a communications interface between the communications port of the base unit and a communications port of the hard-wired telephone.

41. (Original) The method of claim 40, wherein the wireless device is one of a personal digital assistant, web-enabled phone, mobile phone, and a pocket PC.

42. (Original) The method of claim 40, wherein the wireless device is connected to the hard-wired telephone by a wireless connection.

43-69. (Canceled)

70. (Currently Amended) A personal communications system, comprising:

a wireless device including a voice communications port; and

an interface unit including a connector which mates with the voice communications port of the wireless device, wherein the wireless device is programmed with connection management software which automatically connects a call received by the wireless device to the hard-wired telephone through the connector, and wherein the software connects the call through a communications interface between a communications port of the interface unit and a communications port of a hard-wired telephone.

71. (Original) The personal communications system of claim 70, wherein the wireless device is one of a wireless phone, a web-enabled phone, a personal digital assistant, and a pocket PC.

72. (Original) The personal communications system of claim 70, further comprising:

means for determining when the connector of the interface unit mates with the voice communications port of the wireless device.

73. (Original) The personal communications system of claim 70, wherein the wireless device includes:

a processor which detects a hook-state signal indicating that a receiver of the hard-wired telephone has been activated, and connects the call to the hard-wired telephone based on detection of the hook-state signal.

74. (Original) The personal communications system of claim 73, wherein the processor detects termination of the call based on a hook-state signal indicating that the receiver of the hard-wired telephone has been de-activated.

75. (Original) The personal communications system of claim 70, wherein the wireless device includes:

a buffer which stores a telephone number dialed on the hard-wired telephone; and

a processor which determines whether the telephone number stored in the buffer is valid, and if valid, automatically connects the call to a wireless service provider.

76. (Original) The personal communications system of claim 75, wherein the processor determines whether the telephone number is valid by comparing whether a number of digits in the dialed telephone number stored in the buffer equals a predetermined number of digits corresponding to a valid telephone number.

77. (Original) The personal communications system of claim 70, wherein the wireless device includes a processor which automatically de-activates at least one of a microphone and speaker of the wireless device, when the call is sent to the hard-wired telephone through the connector or when the hard-wired telephone sends a call to a wireless server provider through the connector.

78. (Original) The personal communications system of claim 70, wherein the interface unit is connected to the hard-wired telephone so that the hard-wired telephone only receives calls through the wireless device.

79. (Original) The personal communications system of claim 70, wherein the interface unit includes a battery re-charger for the wireless device.

80. (Original) The personal communications system of claim 70, wherein the connector of the interface unit is connected to a plurality of hard-wired telephones, and wherein a processor of the interface unit controls to which of said hard-wired telephones the call is to be sent.

81. (Original) The personal communications system of claim 70, wherein the interface unit includes a plurality of connectors which mate with the voice communications ports of a respective plurality of wireless devices, each of said connectors linked to at least

one hard-wired telephone for conveying call received by the wireless devices to the at least one hard-wired telephone.

82. (Original) The personal communications system of claim 81, the interface unit includes:

a processor which controls activation states of the connectors,

wherein when a call is set to the hard-wired telephone through one of the connectors, the processor controls activation states of the other connectors to block calls from being conveyed to the hard-wired telephone through the other connectors.

83. (Original) The personal communications system of claim 82, wherein when a call received by one of the wireless devices is blocked by the processor, the processor sends a missed-call signal to he hard-wired telephone when the call sent to the hard-wired telephone is terminated.

84. (Currently Amended) The personal communications system of claim 81, wherein the interface unit includes a processor which controls a time of day when ~~activations of~~ the connectors are activated.

85 (Original) The personal communications system of claim 81, wherein the interface unit includes a selector which allows a user to manually control an activation state of at least one of the connectors.

86. (Original) The personal communications system of claim 81, wherein the interface unit includes a graphical interface unit.

87. (Original) The personal communications system of claim 86, wherein the graphical interface unit displays information indicative of activation status of the connectors and includes means for allowing a user to change said activation status.

88. (Currently Amended) The personal communications system of claim 70, wherein the interface unit includes:

a reader which reads authorization information from a smart card; and

a processor which controls activation of the connector to connect the call through the communications interface based on whether the authorization information reads by the reader is valid.

89. (Original) The personal communications system of claim 70, wherein the interface unit includes a lock.

90-106. (Canceled).

107. (Currently Amended) A hard-wired telephone, comprising:

a keypad;

a wireless communications unit;

a memory unit for storing activation information input through the keypad; and

a processor for automatically setting the wireless communications unit to receive a call from a wireless service provider at a changeable wireless phone user telephone number, said processor automatically setting the wireless communications unit to a new wireless phone user telephone number in response to receiving said activation information through the keypad.

108. (Currently Amended) A communications system, comprising:

a hard-wired telephone including a keypad and a transceiver; and

a wireless communications unit remotely located from said hard-wired telephone;

a memory unit for storing activation information input through the keypad; and

a processor for automatically setting the wireless communications unit to receive a call from a wireless service provider at a changeable wireless phone user telephone number, said processor automatically setting the wireless communications unit to a new wireless phone user telephone number in response to receiving said activation information through the keypad.

109. (Previously Presented) The method of claim 1, wherein the connection management software converts an operational mode of the wireless phone from a standard operating mode to an interface mode for connecting calls between the wireless phone and hard-wired telephone.

110. (Currently Amended) The method of claim 109, wherein the processor automatically performs said conversion in response to a detection signal indicating that the wireless phone is connected to ~~an interface~~ the base unit between the wireless phone and hard-wired telephone.

111. (Previously Presented) The method of claim 40, wherein the connection management software converts an operational mode of the wireless phone from a standard operating mode to an interface mode for connecting calls between the wireless phone and hard-wired telephone.

112. (Currently Amended) The method of claim 111, wherein [[the]] a processor automatically performs said conversion in response to a detection signal indicating that the wireless phone is connected to ~~an interface~~ the base unit between the wireless phone and hard-wired telephone.

113. (Previously Presented) The personal communications system of claim 72, wherein the connection management software receives a mode signal from said determining means indicative of said mating, and then automatically converts an operational mode of the

wireless device to interface mode for connecting calls between the wireless device and hard-wired telephone.

114. (Previously Presented) The personal communications device of claim 72, wherein the determining means includes:

a stud on the interface unit; and

a function button on the wireless device which is activated by contact from the stud when the voice communications port of the wireless device is mated with the connector of the interface unit.

115. (Previously Presented) The personal communications device of claim 72, wherein the determining means includes:

a first electrode on the interface unit; and

a second electrode on the wireless device,

wherein the second electrode contacts the first electrode when the voice communications port of the wireless device is mated with the connector of the interface unit, and then sends a mode signal to the connection management software for connecting calls between the wireless device and hard-wired telephone.

116. (Previously Presented) The personal communications device of claim 72, wherein the determining means includes:

a detector which detects when the voice communications port of the wireless device mates with the connector of the interface unit, and then sends a mode signal to the connection management software for connecting calls between the wireless device and hard-wired telephone.

117. (Previously Presented) The personal communications device of claim 116, wherein the detector is located in the wireless device.

118. (Currently Amended) The telephone of claim 88 [[111]], wherein the authorization information includes at least the wireless phone user telephone number.

119. (Currently Amended) The telephone of claim 88 [[111]], wherein the processor re-configures the wireless communications unit to receive a call at a different wireless phone user telephone number when different authorization information is received through the keypad.

120. (Previously Presented) The telephone of claim 119, wherein the processor re-configures the wireless communications unit in response to activation of a mode button.

121. (Previously Presented) The telephone of claim 119, wherein the processor overwrites the different authorization information over the previously stored authorization information in the memory unit.

122. (Previously Presented) The telephone of claim 119, wherein the different authorization information includes at least the different wireless phone user telephone number.

123. (Previously Presented) The telephone of claim 111, wherein the authorization information includes a user identification code.

124. (Currently Amended) The telephone of claim 111, wherein the processor receives time-of-day activation information entered through the keypad and automatically sets the wireless communications unit to receive a call from the wireless service provider at the changeable wireless telephone user number based on said time-of-day activation information.

125. (Currently Amended) The telephone of claim 124, wherein the time-of-day activation information indicates a predetermined daily time schedule.

126. (Currently Amended) The telephone of claim 125, wherein the processor de-activates the wireless communications unit to receive calls at the changeable wireless telephone user number during times other than specified in the time-of-day activation information.

127. (Currently Amended) The telephone of claim 124, further comprising:

a display for displaying at least one of the changeable wireless telephone user number and said time-of-day activation information.

128. (Previously Presented) The telephone of claim 111, further comprising:

a display,

wherein the processor automatically displays information prompting a user to enter the activation information when a handset of the telephone is picked up.

129. (Currently Amended) A hard-wired telephone, comprising:

a wireless communications unit;

a reader that reads authorization information from a removable storage medium;

a processor for automatically setting the wireless communications unit to receive a call from a wireless service provider at a changeable wireless phone user telephone number, said processor automatically setting the wireless communications unit to a new wireless phone user telephone number based on the authorization information read by the reader.

130. (Currently Amended) The hard-wired telephone of claim 129, wherein the authorization information includes at least the ~~changeable~~ new wireless phone user telephone number.

131. (Previously Presented) The hard-wired telephone of claim 129, wherein the authorization information includes a user identification code.

132. (Previously Presented) The hard-wired telephone of claim 129, wherein the authorization information includes a serial number.

133. (Previously Presented) The hard-wired telephone of claim 129, wherein the authorization information includes location information.

134. (Previously Presented) The hard-wired telephone of claim 129, wherein the authorization information includes information which the wireless service provider or a local exchange carrier needs to activate operation of a wireless phone.